

I CLAIM AS MY INVENTION:

1. A cushioned banding anchor for securement of a load to a loading platform having a frame attachment by use of a band having a loop at least at one end, comprising:

a banding anchor body having a cushioned roller retained within an inside aperture of the anchor body, said cushioned roller being designed to be positioned within the loop of the band; and

said banding anchor body having a loop portion at one end for connecting to the frame attachment of the loading platform.

2. The anchor of claim 1 when the anchor body comprises a top part and downwardly extending sides merging into said loop portion, said loop portion comprising two angle portions meeting at a rounded portion.

3. The anchor of claim 1 wherein a bolt through said loop portion connects said anchor body to a shackle which loops around said frame attachment of the loading platform.

4. The anchor of claim 3 wherein said bolt comprises a hex bolt having a lock nut.

5. The anchor of claim 2 wherein said downwardly extending sides have double angled edges with a widest portion of each side being located where an aperture is provided in each side for receiving a bolt passing

through a middle aperture of said cushioned roller for retaining the cushioned roller within said inside aperture of the anchor body.

6. The anchor of claim 5 wherein said bolt comprises a hex bolt with a lock nut.

7. The anchor of claim 1 when said cushioned roller is retained within said inside aperture of the anchor body by a bolt about which the cushioned roller freely rotates.

8. The anchor of claim 1 wherein said cushioned roller comprises a central aperture surrounded by an elastomeric material.

9. The anchor of claim 8 wherein said elastomeric material comprises polyurethane.

10. The anchor of claim 1 wherein said cushioned roller comprises an elastomeric cylindrical roller having a central aperture surrounded by elastomeric material which in turn is surrounded by an outer steel tube.

11. The anchor of claim 1 wherein said cushioned roller comprises an elastomeric cylindrical roller comprising a central aperture surrounded by an inner steel tube, followed by an outer elastomeric material cylindrical core, followed by an outer steel tube.

12. The anchor of claim 1 wherein said loading platform comprises a railroad car.

13. A cushioned banding anchor system for securement of a load to a loading platform by use of a band having a loop at least at one end, comprising:

the banding anchor body having a cushioned roller retained within an inside aperture of the anchor body, said cushioned roller being designed to be positioned within the loop of the band;

said banding anchor body having a loop portion at one end; and

a connecting member which connects said loop portion to the loading platform.

14. The anchor system of claim 13 wherein said connecting member comprises a shackle having a rounded portion which loops around a frame attachment connected to the loading platform and has side legs with apertures, and a bolt passing through said apertures and positioned through said loop portion of said banding anchor body.

15. The anchor system of claim 14 wherein the frame attachment comprises a bar around which said shackle loops, said bar being attached to the load platform by downwardly extending ears which support the bar.

16. The system according to claim 13 wherein a frame attachment is mounted to the loading platform and comprises an inverted U-shaped

attachment having a rounded bridge portion which engages through said loop portion of the anchor body.

17. The anchor system according to claim 13 wherein a frame attachment is connected to the loading platform which comprises an inverted U-shaped attachment having a bridge portion, and wherein said connecting member comprises a triangular-shaped link passing under said bridge portion and linking said bridge portion to said anchor body loop portion.

18. The anchor system according to claim 13 wherein a frame attachment is connected to the loading platform and comprises a stake pocket having a pocket well with an aperture, a bolt passing through the aperture, and the bolt attaching to side legs of a shackle through apertures in the side legs, and a rounded portion of said shackle looping around said loop portion.

19. The anchor system according to claim 13 wherein said loading platform comprises a railroad car.

20. A method for securement of a load to a loading platform, comprising the steps of :

providing a band and providing first and second banding anchor bodies each having a cushioned roller retained within an inside aperture of the anchor body, said anchor body having a loop portion at one end;

connecting said loop portion of each of said first and second anchor bodies to the loading platform;

feeding one end of the band around said first anchor body cushioned roller and crimping to create a loop at one end of said band looping around said cushioned roller of the first anchor body;

routing the band over the load; and

feeding the other end of the band around said second anchor body cushioned roller, pulling the band tight, and crimping to create a second loop looping around said cushioned roller of the second anchor body.

21. The method according to claim 20 including the step of providing first and second frame attachments on the loading platform each comprising a round bar, and connecting the loop portion of the first and second anchor bodies to the respective round bar by a respective shackle with the rounded portion of the shackle around the bar and a respective bolt being placed through apertures on sides of the shackle with the bolt passing through the loop portion.

22. The method according to claim 20 including the step of attaching said loop portion of each of said anchor bodies to respective first and second frame attachments of the loading platform by providing said frame attachments with a bridge portion which passes through said loop portion of the respective anchor bodies.

23. The method according to claim 20 including the step of attaching the respective anchor body loop portion to respective frame attachments of the loading platform by providing each of the frame attachments with a bridge

portion and a connecting link between the bridge portion and a rounded portion of a respective shackle, sides of the shackle being attached to said loop portion by a bolt passing through apertures in the sides of the shackle.

24. The method of claim 20 wherein the loading platform comprises a railroad car.